

MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

Week ending December 27, 2003 (Week 52)

Synopsis: During week 52 (December 21 – December 27, 2003), 180 laboratory-tested specimens were positive for influenza. The proportion of patient visits to Cigna Health Care Centers for influenza-like-illness (ILI) was 0.66%, while the proportion of patient visits to ASU Student Health and Wellness Center for ILI was 0.00%. The overall percentage of ER visits for ILI was 2.96%. Data for schools was unavailable due to winter break, and long-term care center surveillance indicated insignificant influenza activity*.

Laboratory Surveillance: During week 52, a total of 180 specimens tested positive for influenza. 167 untyped influenza type A viruses and 10 untyped influenza viruses were identified at Arizona Medical Clinic, Grayhawk Pediatrics, John C. Lincoln Hospital Deer Valley, Paradise Valley Hospital, Phoenix Children's Hospital, Sonora Quest Laboratory, Scottsdale Healthcare Laboratory, and St. Joseph's Hospital Laboratory, and 3 isolates were subtyped as influenza type A (H3N2) at the Arizona State Laboratory.

Pneumonia and Influenza (P&I) Mortality Surveillance:** P&I data for week 52 is currently unavailable.

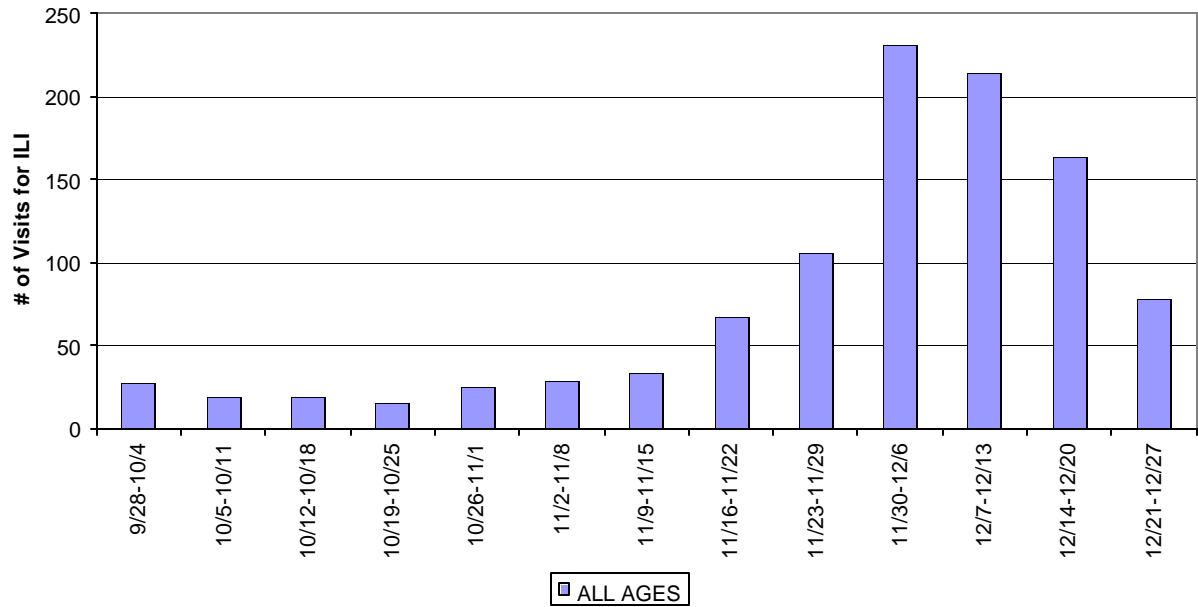
Influenza-like Illness Surveillance:** During week 52, 0.66% of patient visits to Cigna Health Care facilities were due to ILI. The proportion of patient visits to ASU Student Health and Wellness Center for ILI was 0.00%. The overall percentage of ER visits for ILI was 2.96%. Due to differences in case definitions as well as wide variability between national and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report***.

Date	% Visits for ILI
9/28-10/4	0.13
10/5-10/11	0.10
10/12-10/18	0.11
10/19-10/25	0.07
10/26-11/1	0.10
11/2-11/8	0.11
11/9-11/15	0.14
11/16-11/22	0.30
11/23-11/29	0.72
11/30-12/6	0.98
12/7-12/13	1.02
12/14-12/20	0.87
12/21-12/27	0.66

The graph displays the percentage of visits for Influenza-Like Illness (ILI) across 18 Arizona counties from September 28 to December 27. The y-axis represents the percentage of visits, ranging from 0 to 8. The x-axis shows weekly intervals. Most counties maintain low visit percentages (below 1%) until late November. C.J. Harris (pink asterisk) and Clyde Wright AHC (cyan asterisk) show significant peaks in early December, reaching approximately 7% and 6% respectively. Gilbert (dark red circle) peaks at 3% in late November. Other counties show minor fluctuations, with some peaking in mid-December.

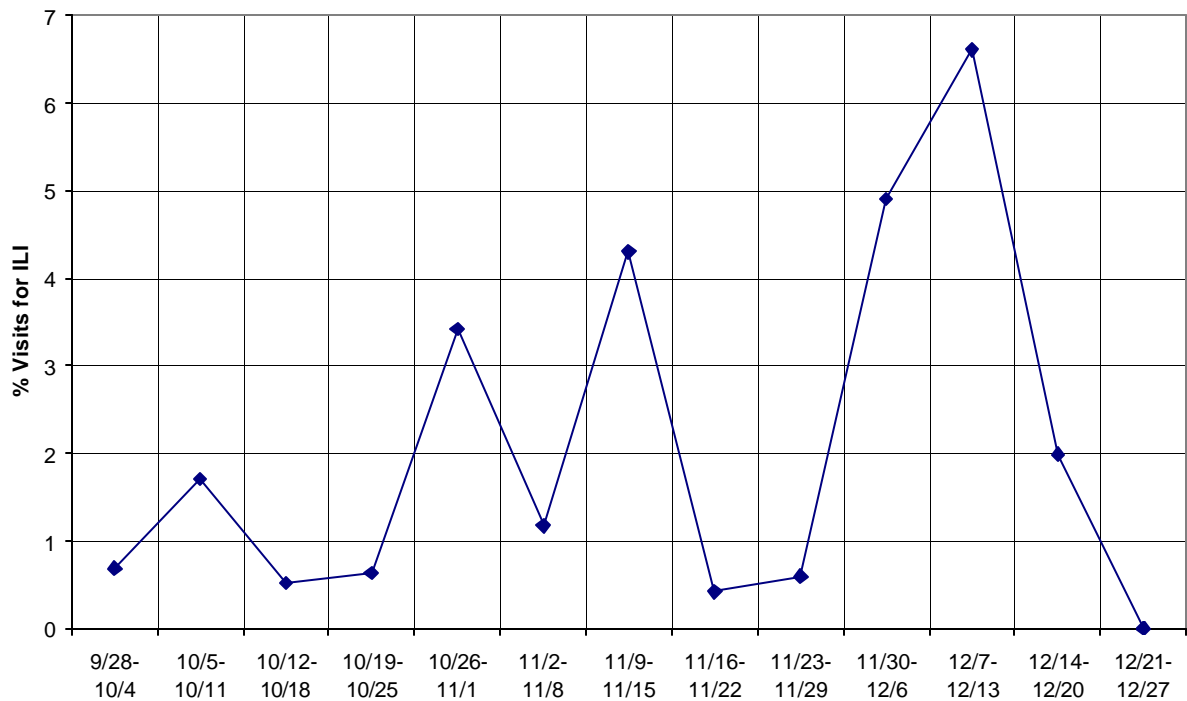
County	9/28-10/4	10/5-10/11	10/12-10/18	10/19-10/25	10/26-11/1	11/2-11/8	11/9-11/15	11/16-11/22	11/23-11/29	11/30-12/6	12/7-12/13	12/14-12/20	12/21-12/27
Chandler	0.4	0.5	0.2	0.2	0.2	0.3	0.3	0.4	0.5	1.1	0.6	0.8	0.7
C.J. Harris	0.4	0.8	0.4	0.2	0.4	1.2	1.4	2.1	3.6	4.7	7.1	3.4	2.6
Clyde Wright	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.9	0.6	0.9	0.9	0.6	0.1
Clyde Wright AHC	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	2.1	3.4	5.5	2.9	1.9
Deer Valley	0.4	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	1.1	0.2
Gilbert	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	3.0	1.0	1.6	0.6	0.2
North Valley	0.2	0.2	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	1.3	2.1	1.0
Paradise Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.2	2.3	0.8	1.5	0.7
Paseo	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Paseo AHC	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Scottsdale	0.2	0.2	0.7	0.5	0.2	0.2	0.5	0.2	1.2	1.5	0.8	0.6	1.0
South Mountain	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Stapley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Stapley AHC	0.4	0.8	0.4	0.2	0.4	1.2	1.4	2.1	3.6	4.7	7.1	3.4	2.6
Sun City	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Sun City West	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Super. Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Tempe	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	1.5	0.8	0.6	0.2
The Pointe	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Westridge	1.1	0.2	0.2	0.2	0.7	0.2	0.2	0.9	0.6	0.9	0.9	0.6	0.1

**Number of Visits to Cigna Facilities for Influenza-Like Illness,
Maricopa County Summary 2003-04**

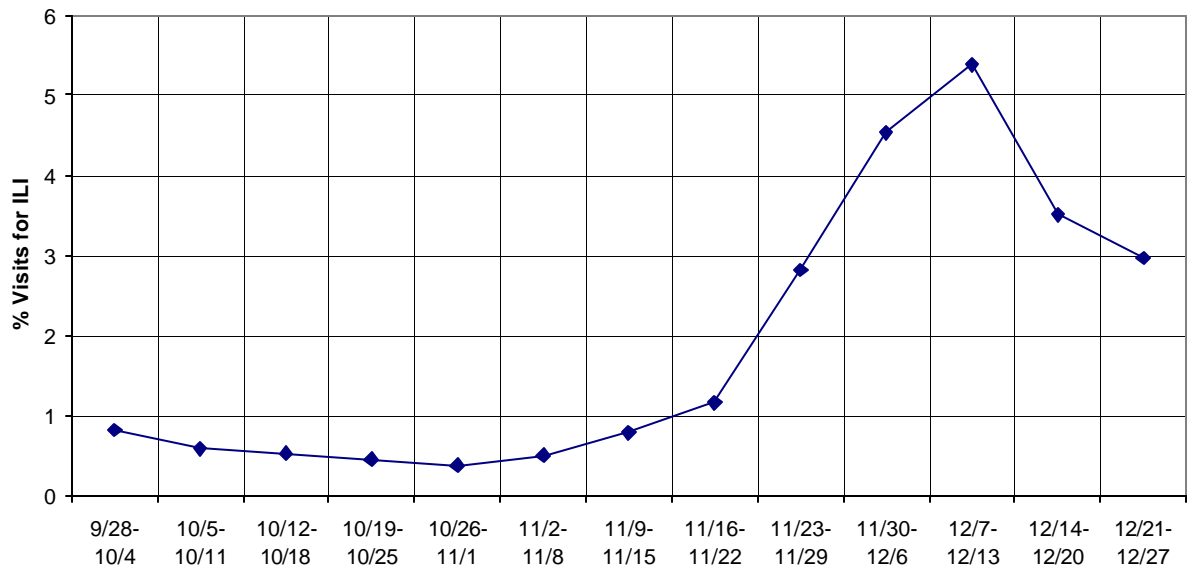


Breakdown by age for Week 52 is not yet available.

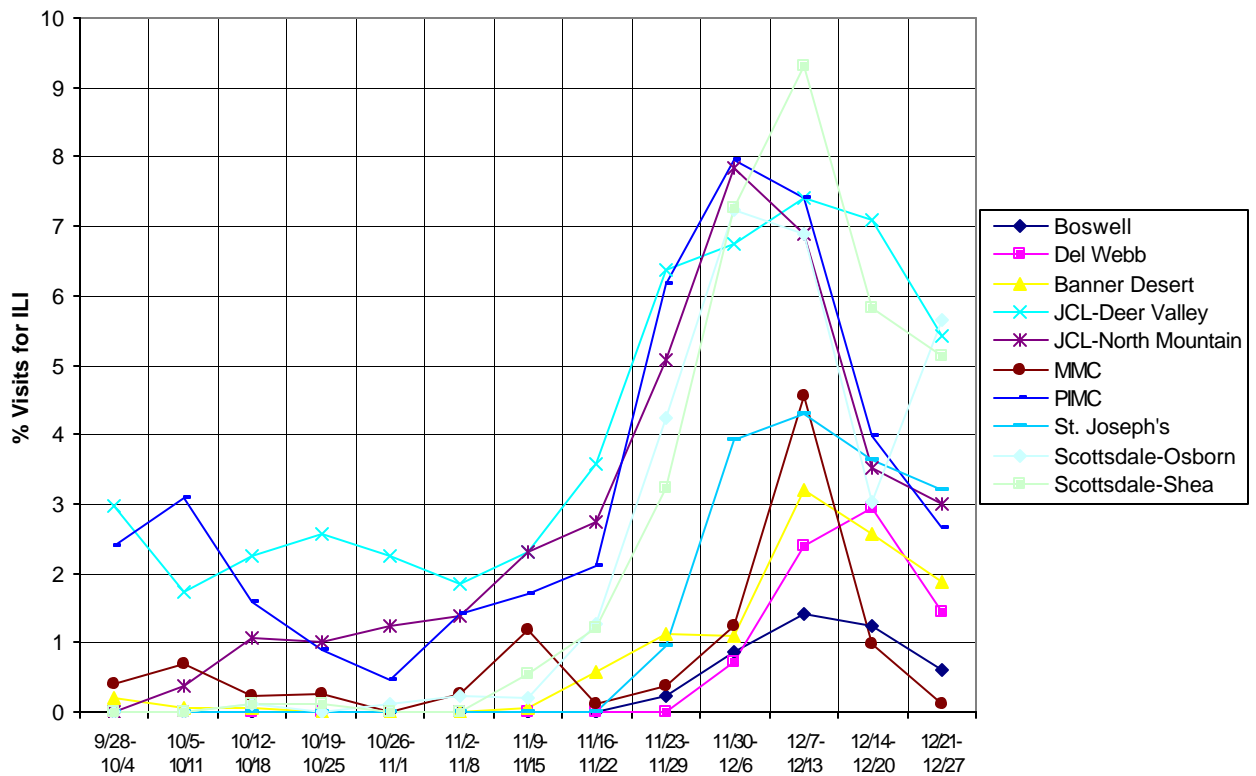
**Overall Percentage of Visits for Influenza-like Illness at ASU Student Health,
Maricopa County Summary 2003-04**



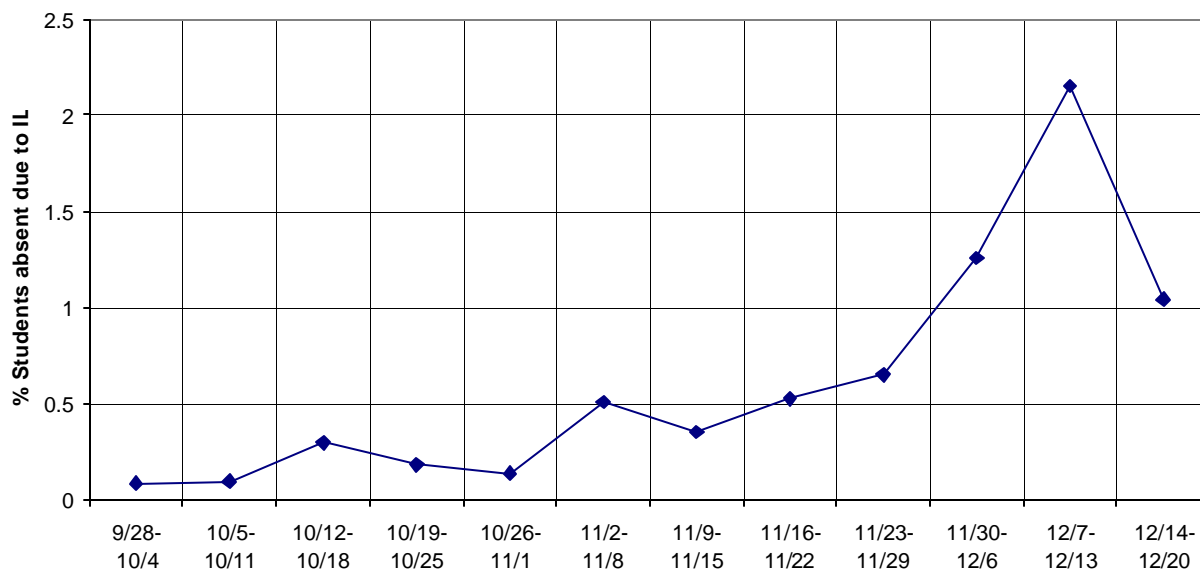
**Overall Percentage of Visits to ER for Influenza-like Illness,
Maricopa County Summary 2003-04**



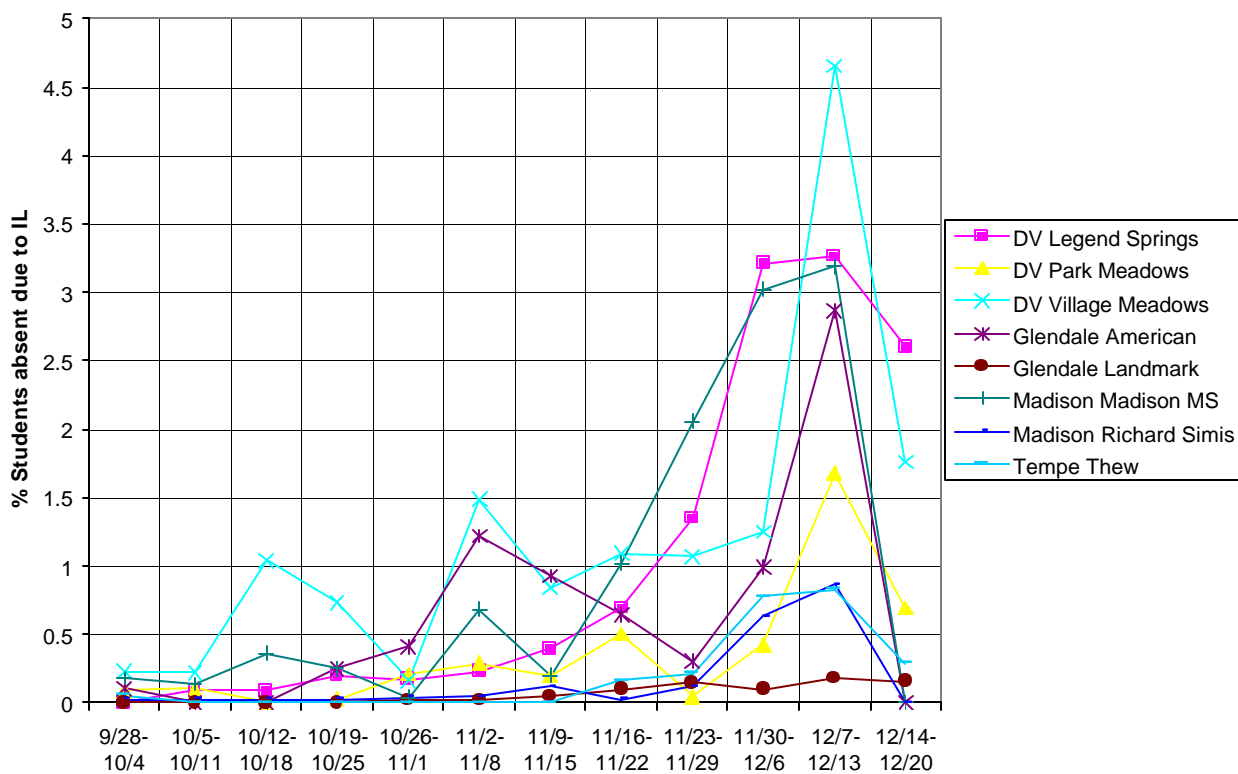
**Percentage of ER Visits for Influenza-like Illness,
Maricopa County Summary 2003-04**



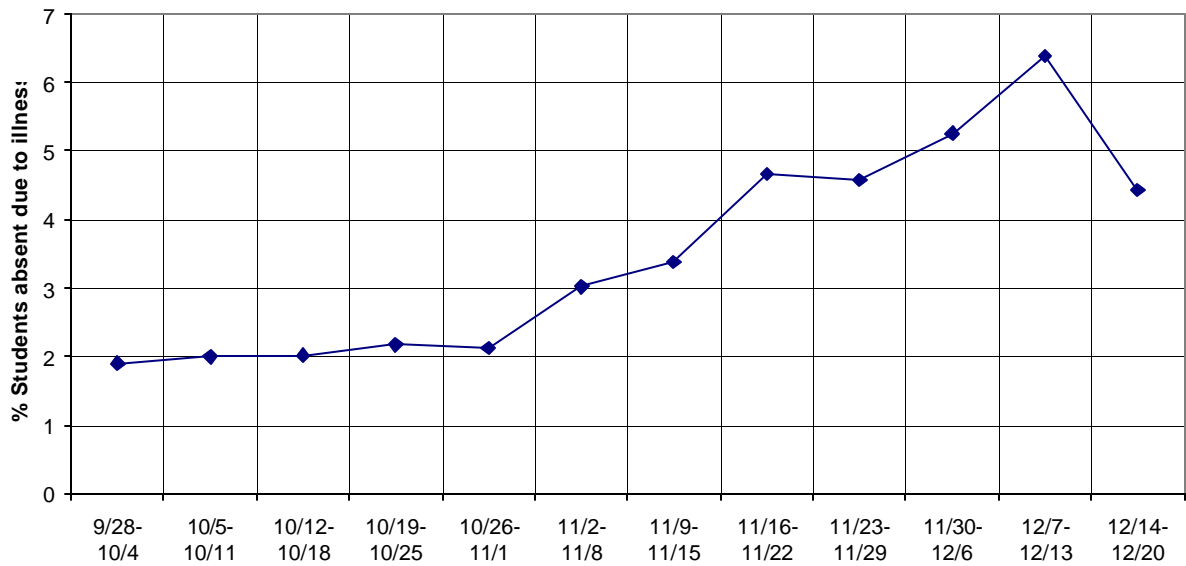
**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**



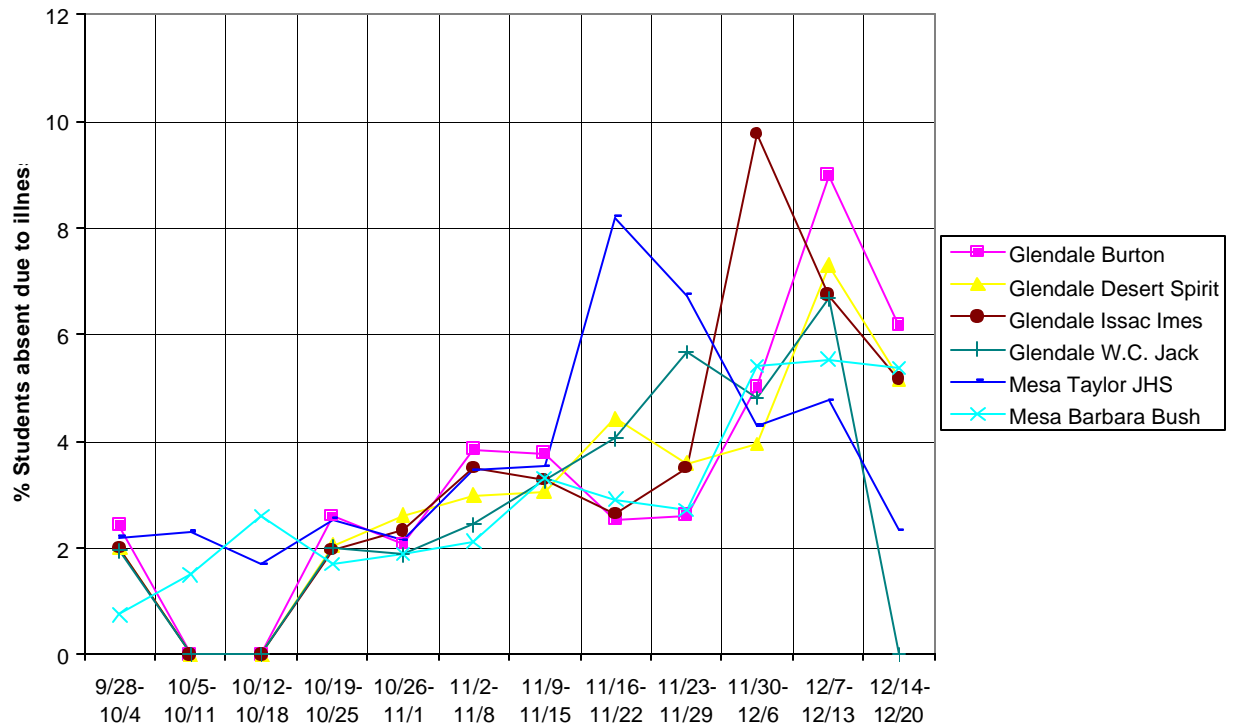
**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**



**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**

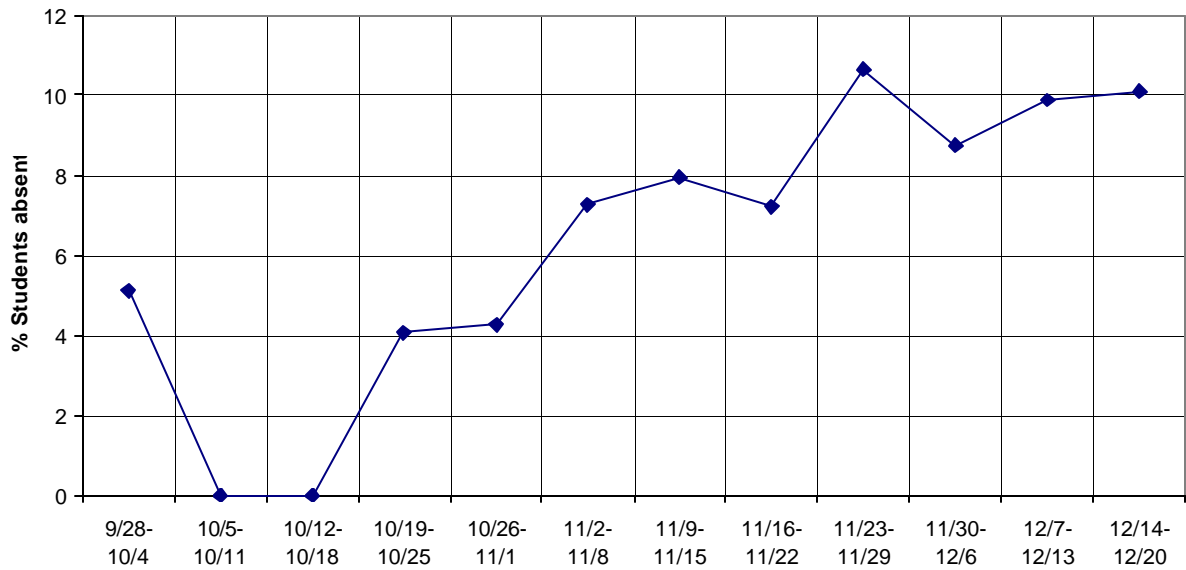


**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**

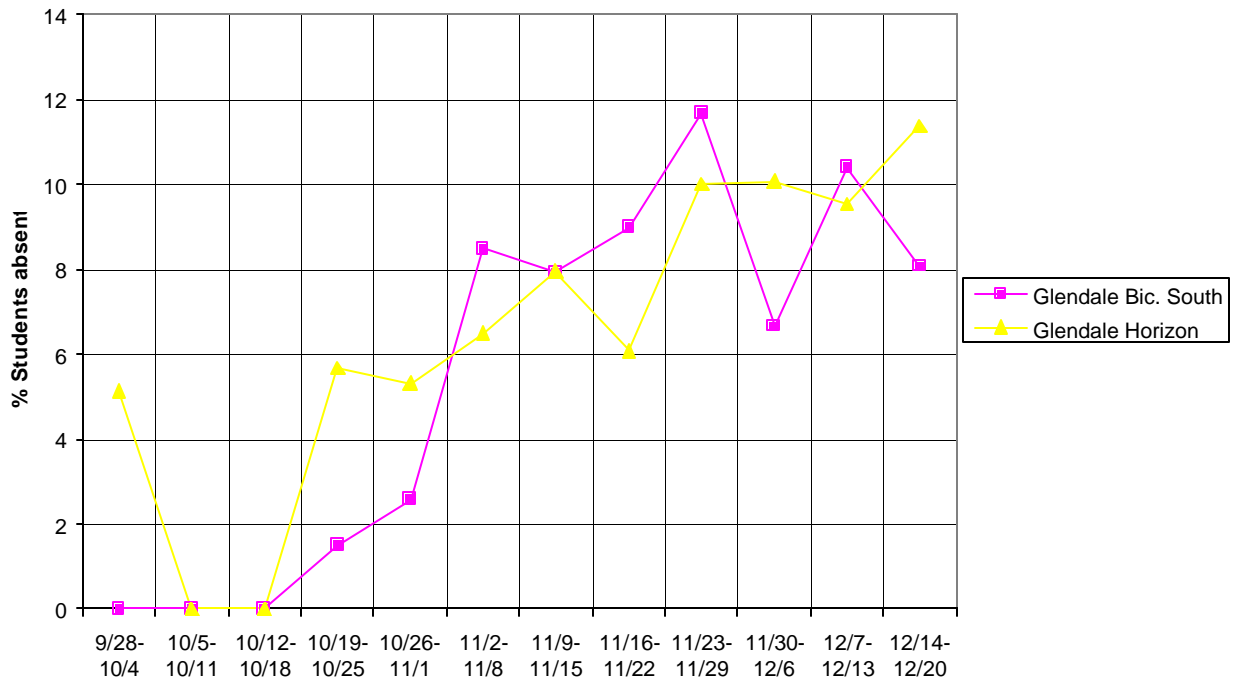


Note: Glendale schools were on fall break from 10/5/2003 – 10/18/2003.

**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



Note: The only schools reporting total absences are Glendale Bicentennial South and Glendale Horizon. These schools were on fall break from 10/5/2003 – 10/18/2003.

* Influenza activity is defined as influenza-like illness and/or culture-confirmed influenza.

** Reporting is incomplete for this week. Numbers may change as more reports are received.

*** Case definitions

For Cigna Health Care Centers and ASU Student Health and Wellness Center:
Fever plus either cough or sore throat

For Hospital ER's, Long-term Care Centers, and Schools:
Fever of 102 degrees or higher, plus two of the following symptoms:
Headache, chills, myalgia, cough, coryza, sore throat

Surveillance Sources: **Hospital Emergency Departments** (Boswell Memorial Hospital, Del Webb Memorial Hospital, Banner Desert Medical Center, John C. Lincoln Hospital Deer Valley, John C. Lincoln Hospital North Mountain, Maricopa Medical Center, Phoenix Indian Medical Center, St. Joseph's Hospital, Scottsdale Healthcare Osborn, Scottsdale Healthcare Shea); **Cigna Health Care Centers** (Chandler, CJ Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Superstition Springs, Tempe, The Pointe, Westridge); **Long-term Care Centers**: (Arbor Rose Assisted Living, Christian Care Nursing Center, Cook Healthcare, Life Care Center of Paradise Valley, Sun Health Care Center, Westminster Village); **Schools**: (Deer Valley Legend Springs, Deer Valley Park Meadows, Deer Valley Village Meadows, Glendale American, Glendale Bicentennial South, Glendale Burton, Glendale Desert Spirit, Glendale Horizon, Glendale Issac Imes, Glendale Landmark, Glendale W.C. Jack, Madison Middle School, Madison Richard Simis, Mesa Taylor, Mesa Barbara Bush, Tempe Thew); **ASU Student Health and Wellness Center**

Cigna Health Care Centers and ASU Student Health and Wellness Center are participants in CDC's Sentinel Surveillance program.

Report can be found online at: http://www.maricopa.gov/public_health/epi/flu.asp

Report prepared: January 3, 2004